bio-protocol Preprint

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CyTOF analysis

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An abbreviated version of this protocol was published in Science Advances in Jan 2023

Cullin-5 deficiency orchestrates the tumor microenvironment to promote mammary tumor development through CREB1-CCL2 signaling

DOI: 10.1126/sciadv.abq1395

Detailed protocol

Here are protocols, I followed the procedures by Fluidim.
We could perform step by step as the file shows, "Procedure for Using Maxpar Pathsetter Templates for CyTOF Acquisition and Analysis"
We could use the makers to identify immune cells in the file "Maxpar OnDemand Mouse Immune Profiling Panel Kit_TDS-00716".

Hope they could help you!

Related files

- Maxpar OnDemand Mouse Immune Profiling Panel Kit_TDS-00716.pdf
- Procedure for Using Maxpar Pathsetter Templates for CyTOF Acquisition and Analysis.pdf

How to cite:(Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Deng, C. (2023). CyTOF analysis. Bio-protocol Preprint. bio-protocol.org/prep2363.
2. Chen, S., Shao, F., Zeng, J., Guo, S., Wang, L., Sun, H., Lei, J. H., Lyu, X., Gao, S., Chen, Q., Miao, K., Xu, X. and Deng, C.(2023). Cullin-5 deficiency orchestrates the tumor microenvironment to promote mammary tumor development through CREB1-CCL2 signaling. Science Advances 9(3). DOI: 10.1126/sciadv.abq1395

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